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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:49:07 ON 06 MAR 2008

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:49:23 ON 06 MAR 2008

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STRUCTURE FILE UPDATES: 4 MAR 2008 HIGHEST RN 1006657-22-2

DICTIONARY FILE UPDATES: 4 MAR 2008 HIGHEST RN 1006657-22-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

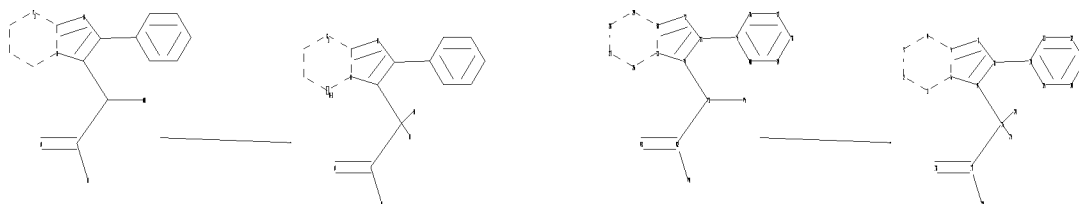
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10537604.str



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chain nodes :
16 17 18 19 24 25 41 42 43 44 45
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40
chain bonds :
8-10 9-16 16-17 16-24 16-25 17-18 17-19 33-35 34-41 41-42 41-45 42-43
42-44
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 26-27 26-31 27-28 28-29 29-30 30-31 30-32 31-34 32-33 33-34 35-36
35-40 36-37 37-38 38-39 39-40
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 9-16 16-17 16-24 16-25
17-18 17-19 26-27 26-31 27-28 28-29 29-30 30-31 30-32 31-34 32-33 33-34
33-35 34-41 41-42 41-45 42-43 42-44
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 35-36 35-40 36-37 37-38 38-39 39-40
isolated ring systems :
containing 1 : 10 :

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G1:C,O,N

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS 25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:CLASS
42:CLASS 43:CLASS 44:CLASS 45:CLASS

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L1 STRUCTURE UPLOADED

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

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=> file casreact
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          0.92          1.13
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Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

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FULL SEARCH INITIATED 09:50:27 FILE 'CASREACT'
SCREENING COMPLETE -          34 REACTIONS TO VERIFY FROM          9 DOCUMENTS

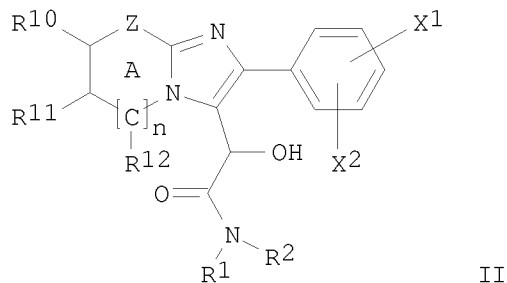
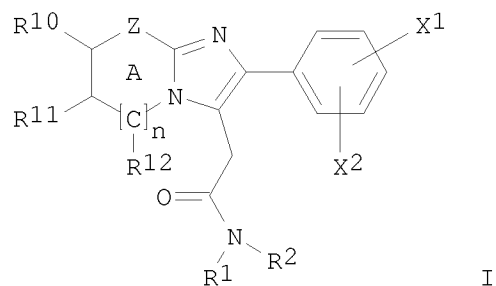
100.0% DONE          34 VERIFIED          8 HIT RXNS          5 DOCS
SEARCH TIME: 00.00.01
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L2 ANSWER 1 OF 5 CASREACT COPYRIGHT 2008 ACS on STN

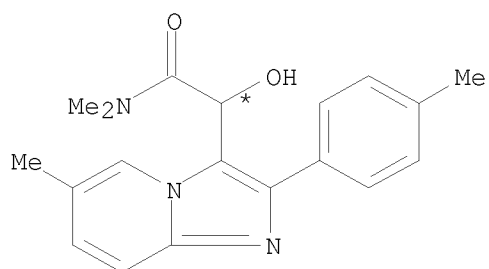
ACCESSION NUMBER: 144:331433 CASREACT
TITLE: Synthesis of heteroaryl acetamides from reaction mixtures of heteroaryl α -hydroxyacetamides having reduced water content
INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.; Moser, Frank W.; Halvachs, Robert E.
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006007289	A1	20060119	WO 2005-US19810	20050603
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2005262622	A1	20060119	AU 2005-262622	20050603
CA 2571491	A1	20060119	CA 2005-2571491	20050603
CN 1972939	A	20070530	CN 2005-80020732	20050603
EP 1809627	A1	20070725	EP 2005-756522	20050603
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JP 2008503578	T	20080207	JP 2007-518091	20050603
US 2007213537	A1	20070913	US 2006-594486	20060927
IN 2006CN04715	A	20070629	IN 2006-CN4715	20061222
PRIORITY APPLN. INFO.:			US 2004-581967P	20040622
			WO 2005-US19810	20050603
OTHER SOURCE(S):	MARPAT 144:331433			
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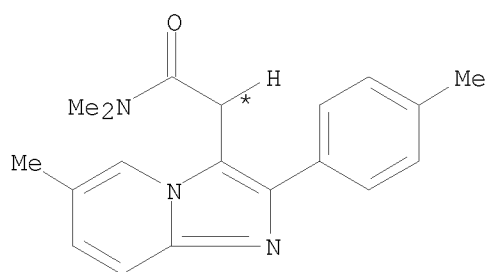


AB An improved process for the preparation of a heteroaryl acetamide (I) [Z = O, NR20 or CR21; X1, X2 = H, halogen, C1-4 alkoxy, C1-6 alkyl, CF3, MeSO2; R1, R2 = H, hydrocarbyl; R10 = H, halogen, C1-4 alkyl, a fused ring such as (i) a (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-NR20 or (ii) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11); R11 = H, halogen, C1-4 alkyl, or a fused ring such as (i) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11) or (ii) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R12 (if present) = H, halogen, C1-4 alkyl, or a fused ring such as (i) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R20 = C1-5 alkyl or a fused ring such as an (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-N(R20); R21 = H, halogen, C1-4 alkyl; n = 0-1; when Z is CR21, the A ring is aromatic] from a heteroaryl α -hydroxyacetamide (II) is provided. The process comprises directly hydrogenating the heteroaryl α -hydroxyacetamide II in the presence of a strong acid, a halide and a catalyst wherein the molar ratio of the starting heteroaryl α -hydroxyacetamide II to water at the initiation of hydrogenolysis is at least about 2:1. In one embodiment, the heteroaryl acetamide is zolpidem and the heteroaryl α -hydroxyacetamide is α -hydroxyzolpidem. Thus, α -hydroxyzolpidem (1.35 kg), acetic acid (1.42 kg), 5% Pd-C (38.6 g), and NaBr solution (6.6 mL) were combined in a glass reactor and the reactor was closed. Concentrated H2SO4 (0.625 kg) and acetic anhydride (0.31 kg) were added to the reactor with cooling to maintain the reaction temperature below 70° and then the reactor was purged with nitrogen and pressurized with hydrogen gas to 30 psig. The reaction mixture was heated at 80-85° while maintaining the hydrogen pressure at 30 psig until the hydrogen uptake stopped, and cooled to 20-30°, and filtered to remove the catalyst, followed by washing the filtered catalyst with 1 L water and the wash water was added to the filtrate to give, after adding 3 L water and 3.15 kg iso-Pr alc. and then ammonium hydroxide (approx. 4.15 kg), cooling for crystallization, filtration, and drying, 1 kg zolpidem.

RX(1) OF 7 A ==> B



A



B

YIELD 97%

RX(1) RCT A 118026-14-5
 RGT C 7664-93-9 H2SO4, D 7647-15-6 NaBr, E 1333-74-0 H2
 PRO B 82626-48-0
 CAT 7440-05-3D Pd
 SOL 7732-18-5 Water, 64-19-7 AcOH
 CON SUBSTAGE(1) room temperature, 25 psi
 SUBSTAGE(2) room temperature -> 70 deg C, 25 psi -> 35 psi
 SUBSTAGE(3) 6 hours, 70 deg C, 35 psi
 NTE optimization study
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

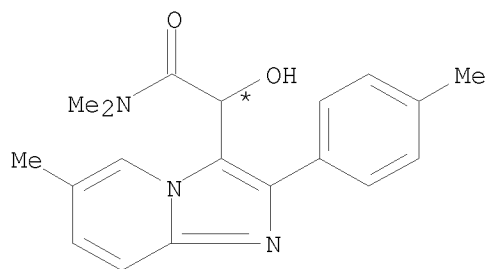
ACCESSION NUMBER: 141:123627 CASREACT
 TITLE: Improved process for the synthesis of heteroaryl acetamides, in particular zolpidem, by hydrogenation of α -hydroxyacetamides
 INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058758	A1	20040715	WO 2003-US39951	20031216
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RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
CA 2509561	A1	20040715	CA 2003-2509561	20031216
AU 2003297153	A1	20040722	AU 2003-297153	20031216
EP 1575952	A1	20050921	EP 2003-814010	20031216
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	
CN 1729188	A	20060201	CN 2003-80106954	20031216
JP 2006516139	T	20060622	JP 2004-563575	20031216
US 2006025588	A1	20060202	US 2005-537604	20050603
MX 2005PA06438	A	20050908	MX 2005-PA6438	20050615
IN 2005CN01264	A	20070622	IN 2005-CN1264	20050615
PRIORITY APPLN. INFO.:			US 2002-435763P	20021218
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OTHER SOURCE(S):		MARPAT 141:123627		
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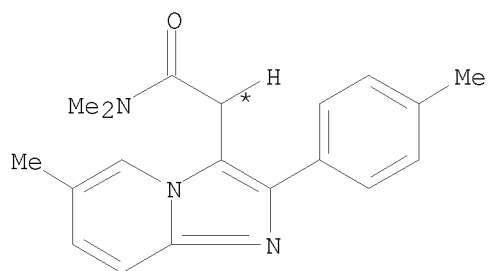
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is directed to an improved process for the preparation of heteroaryl acetamides I, in particular zolpidem (II), in one step, by hydrogenation of the corresponding α -hydroxyacetamides in the presence of a strong acid, a halide, and a Pd-based catalyst [wherein Z = O, NR₂₀, CH and derivs.; X₁, X₂ = independently H, halo, alkoxy, alkyl, CF₃, CH₃SO₂; R₁, R₂ = independently H, hydrocarbonyl; R₃ = H, halo, alkyl, etc.; R₄ = H, halo, alkyl, etc.; R₅ = H, halo, alkyl, etc.; W = (C)_n; n = 0-1; when Z = CH and derivs., A is aromatic]. Thus, α -hydroxy-II was hydrogenated in the presence of a solution of H₂SO₄ in glacial AcOH, 1.4M NaBr in water, and 5% Pd/BaSO₄ at 30-35 psi and 70° for 17 h to give zolpidem in 92 yield and 98.4% purity. Similarly, α -hydroxy-II O-acetate gave II in 86% yield and 74.4% purity, which was recrystd. from i-PrOH.

RX(1) OF 3 A ==> B



A



B

YIELD 97%

RX(1) RCT A 118026-14-5

STAGE(1)

RGT C 1333-74-0 H₂, D 7647-15-6 NaBr, E 7664-93-9 H₂SO₄, F 64-19-7 AcOH

CAT 7440-05-3 Pd, 7727-43-7 BaSO₄

SOL 7732-18-5 Water

CON SUBSTAGE(1) room temperature

 SUBSTAGE(2) room temperature

 SUBSTAGE(3) room temperature -> 70 deg C, 25 psi

 SUBSTAGE(4) 6 hours, 70 deg C, 35 psi

 SUBSTAGE(5) 70 deg C -> 40 deg C

STAGE(2)

SOL 7732-18-5 Water

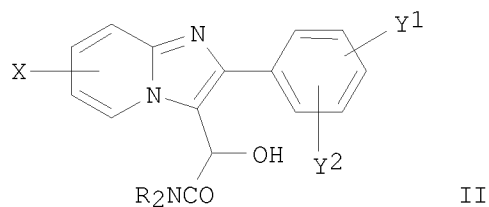
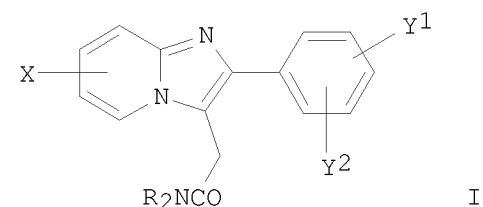
PRO B 82626-48-0

NTE optimization study, solid supported catalyst

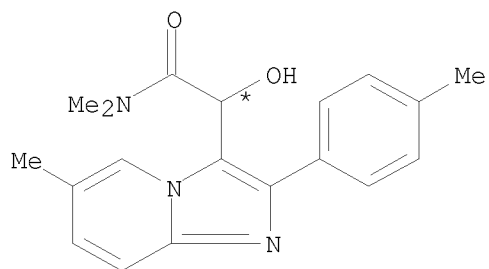
ACCESSION NUMBER: 140:94046 CASREACT
 TITLE: Process for the preparation imidazo[1,2-a]pyridine-3-acetamides
 INVENTOR(S): Schloemer, George C.
 PATENT ASSIGNEE(S): Scinopharm Taiwan, Ltd., USA
 SOURCE: U.S. Pat. Appl. Publ., 4 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004010146	A1	20040115	US 2003-620209	20030714
US 6861525	B2	20050301		
WO 2004007496	A1	20040122	WO 2003-US22082	20030714
W: AU, CN, JP				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
AU 2003249262	A1	20040202	AU 2003-249262	20030714
EP 1539751	A1	20050615	EP 2003-764677	20030714
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
CN 1668617	A	20050914	CN 2003-816832	20030714
JP 2005538980	T	20051222	JP 2004-521845	20030714
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			US 2002-396278P	20020715
			WO 2003-US22082	20030714

OTHER SOURCE(S): MARPAT 140:94046
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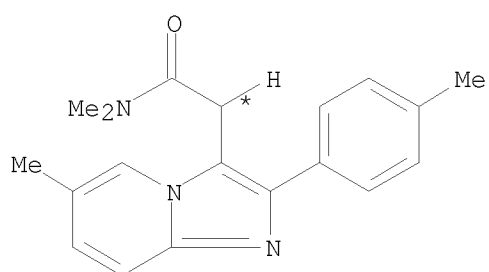


AB Imidazo[1,2-a]pyridine-3-N,N-dialkylacetamides [I; R = C1-4 alkyl; X, Y1, Y2 = H, C1-4 alkyl; e.g., 6-Methyl-N,N-dimethyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3-acetamide] are prepared by the reaction of imidazo[1,2-a]pyridines [II; e.g., 6-methyl-N,N-dimethyl-2-(4-methylphenyl)- α -hydroxyimidazo[1,2-a]pyridine-3-acetamide] with PBr3 in a non-reactive solvent (e.g., 1,2-dichloroethane) to give an intermediate which is subjected to hydrolysis.



C

(3) 



E

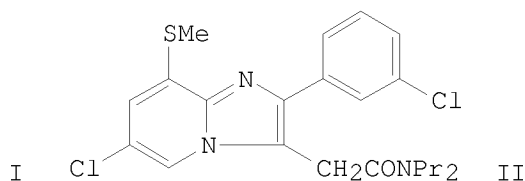
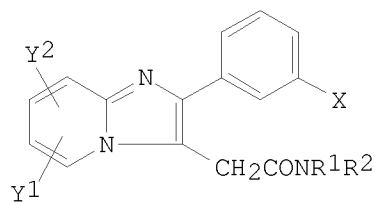
YIELD 74%

RX(3) RCT C 118026-14-5
 RGT F 7789-60-8 PBr3
 PRO E 82626-48-0
 SOL 107-06-2 ClCH2CH2Cl
 CON SUBSTAGE(1) room temperature
 SUBSTAGE(2) 2 hours, reflux

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 111:115178 CASREACT
 TITLE: Imidazopyridine derivatives useful as sedatives, anxiolytics, and anticonvulsants, their preparation, and medicaments and compositions containing them
 INVENTOR(S): George, Pascal; Allen, John; Jaurand, Guy
 PATENT ASSIGNEE(S): Synthelabo S. A., Fr.
 SOURCE: Fr. Demande, 13 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 2
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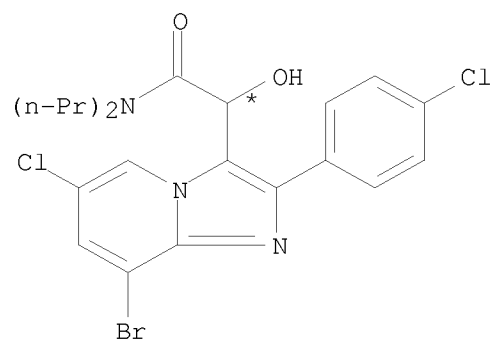
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FR 2612927	B1	19890609		
EP 289371	A1	19881102	EP 1988-400666	19880321
EP 289371	B1	19910925		
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ES 2026666	T3	19920501	ES 1988-400666	19880321
IL 85840	A	19920329	IL 1988-85840	19880323
DK 8801673	A	19880928	DK 1988-1673	19880325
FI 8801434	A	19880928	FI 1988-1434	19880325
NO 8801333	A	19880928	NO 1988-1333	19880325
AU 8813736	A	19880929	AU 1988-13736	19880325
AU 597809	B2	19900607		
JP 63258475	A	19881025	JP 1988-73036	19880325
JP 2733492	B2	19980330		
HU 46692	A2	19881128	HU 1988-1526	19880325
HU 198048	B	19890728		
ZA 8802163	A	19881130	ZA 1988-2163	19880325
CA 1324139	C	19931109	CA 1988-562556	19880325
US 4847263	A	19890711	US 1988-173813	19880328
PRIORITY APPLN. INFO.:			FR 1987-4276	19870327
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			EP 1988-400666	19880321
OTHER SOURCE(S):			MARPAT 111:115178	
GI				



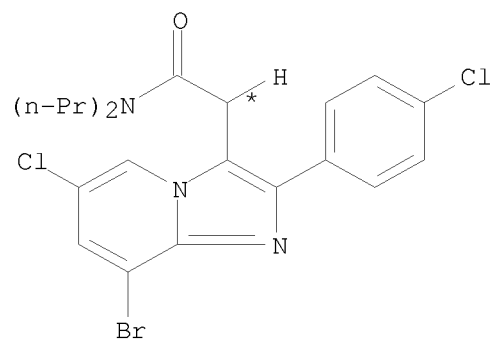
AB Imidazopyridine I [Y1 = H, halo, C1-4 alkyl; Y2 = SR where R = H, C1-4 alkyl; X = H, halo, C1-4 alkyl or alkoxy, CF₃, MeS, NO₂, NH₂; R₁, R₂ = H, alkyl (un)substituted by halo, hydroxy, or alkoxy; or NR₁R₂ = C3-6 heterocyclyl; or R₁R₂ = (CH₂)₂X(CH₂)₂ where X = O, S, NR₃; R₃ = H, C1-4 alkyl, Ph] are prepared as sedatives, anxiolytics, and anticonvulsants. Bromination of 2-amino-5-chloropyridine with Br in CH₂Cl₂ gave the 3-bromo compds., which underwent cyclocondensation with 4-ClC₆H₄COCH₂Br in EtOH containing NaHCO₃ to give 8-bromo-6-chloro-2-(4-chlorophenyl)imidazo[1,2-a]pyridine. Treatment of the latter with (EtO)₂CHCONPr₂ in AcOH containing

HCl gave the 3-CH(OH)CONPr₂ derivative, which reacted 1st with SOCl₂ and then with Rongalite to give the 3-CH₂CONPr₂ derivative. Displacement of Br by MeSNa in THF/DMF gave chloro(chlorophenyl)methylthiodipropylimidazopyridineacetamide II. The ED₅₀ of I for protection of mice from pentetrazole-induced (i.v., 35 mg/kg) clonic convulsions was 0.1-10 mg/kg, i.p.

RX(4) OF 15 ...G ==> H...



G

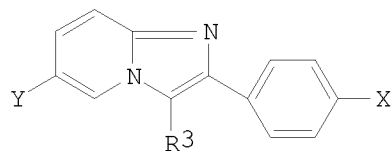


H

RX(4) RCT G 122328-23-8
 PRO H 122341-79-1

ACCESSION NUMBER: 109:149531 CASREACT
 TITLE: Preparation of imidazopyridineacetamides as sedatives and hypnotics and as anticonvulsants
 INVENTOR(S): George, Pascal; Allen, John
 PATENT ASSIGNEE(S): Synthelabo S. A., Fr.
 SOURCE: Eur. Pat. Appl., 12 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

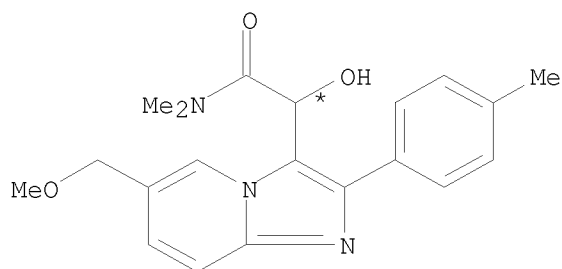
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 267111	A1	19880511	EP 1987-402463	19871102
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2606410	A1	19880513	FR 1986-15533	19861107
FR 2606410	B1	19890224		
US 4808594	A	19890228	US 1987-116217	19871103
JP 63135382	A	19880607	JP 1987-281925	19871106
PRIORITY APPLN. INFO.:			FR 1986-15533	19861107
OTHER SOURCE(S):	MARPAT 109:149531			
GI				



I

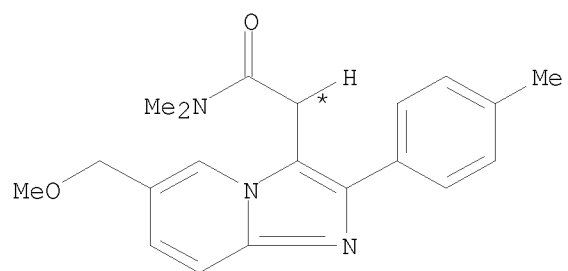
AB The title compds. (I; R₃ = CH₂CONR₁R₂; R₁, R₂ = C1-3 alkyl; X = Me and Y = CH₂OR or X = CH₂OR and Y = Me; R = C1-6 alkyl) were prepared I (R₃ = H, X = Me, Y = CO₂Et) was stirred 0.5 h at 0° with LiAlH₄ in THF and the product stirred 40 min with NaH and MeI in THF-DMF to give I (R₃ = H, X = Me, Y = CH₂OMe) which was stirred 2 h at 50° with Me₂NCOCHO in HOAc containing NaOAc to give I [R₃ = CH(OH)CONMe₂, X = Me, Y = CH₂OMe]. The latter was stirred 20 h with SOCl₂ in CH₂Cl₂ and the product stirred 3 h with HOCH₂SO₂Na in CH₂Cl₂ to give I (R₃ = CH₂CONMe₂, X = Me, Y = CH₂OMe). I protect 50% of mice given pentetrazol i.v. from convulsions at 0.1-10 mg/kg i.p.

RX(4) OF 7 ...H ==> I



H

(4) →



I

RX(4)	RCT	H	116494-83-8
	RGT	J	7719-09-7 SOCl ₂
	PRO	I	116494-84-9
	CAT	149-44-0	HOCH ₂ SO ₂ Na

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

143.26

144.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.75

-3.75

STN INTERNATIONAL LOGOFF AT 09:50:54 ON 06 MAR 2008